

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

GB/T 14643.1-2009

Replaces GB/T 14643.1-1993

Examination of bacteria and algae in industrial circulating cooling water - Part 1: Examination of bacteria formed deposits—Standard of plate count

工业循环冷却水中菌藻的测定方法

第1部分:粘液形成菌的测定 平皿计数法

Issued on May 18, 2009

Implemented on February 1, 2010

Issued by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China

Standardization Administration of the People's Republic of China

1

Contents

Foreword		1
	Scope	
	Normative references	
	Method summary	
	Reagents and materials	
	Instruments and equipment	
6	Preparation before the trial	2
7	Examination procedures	4
8	Counting and report	6
	Precision	

Foreword

GB/T 14643 Examination of Bacteria and Algae in Industrial Circulating Cooling Water is divided into the following sections:

- ——Part 1: Examination of bacteria formed deposits Standard of plate count
- ——Part 2: Examination of soil bacteria Standard of plate count
- ——Part 3: Examination of slime fungus Standard of plate count
- ——Part 4: Examination of soil fungus Standard of plate count
- ——Part 5: Examination of sulfate reducing bacteria MPN method
- ——Part 6: Examination of iron bacteria MPN method

This section is part 1 of GB/T 14643.

This part replaces GB/T 14643.1-1993 .Industrial circulating cooling water--Examination of bacteria formed deposits--Standard of plate count

Compared with the 3rd section of GB/T 14643.1-1, no modification is made in technical content, except for the text structure and texts.

This Part is proposed by China Petroleum and Chemical Industry Association.

This part is centralized by Water Treatment Agent Branch of National Standardization Technical Committee in Chemistry (SAC/TC 63/SC 5).

Unit which is responsible for drafting this Part: CNOOC Tianjin Chemical Research & Design Institute, Shanghai Weilai Enterprise Co., Ltd.

Main drafters of this part: Zhu Chuanjun, Liu Xin, Zhang Quan, Bai Ying, Li Lin.

This part was first issued in 1993.

Examination of bacteria and algae in industrial circulating cooling water - Part 1: Examination of bacteria formed deposits— Standard of plate count

1 Scope

This part of GB/T 14643 specifies examination of bacteria formed deposits in industrial circulating cooling water.

This part applies to the examination of heterotrophic bacteria in suspended slime in industrial circulating cooling water, and the examination of heterotrophic bacteria in deposited slime in industrial circulating cooling water. It also applies to the examination of slime heterotrophic bacteria in raw water, domestic water and other water.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 603 Chemical reagent--Preparations of reagent solutions for use in test methods (GB/T 603-2002, ISO 6353-1:1982, NEQ)

GB/T 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-2008, ISO 3696: 1987, MOD)

3 Method summary

In this method, No. 25 plankton net is used to collect the slime in circulating cooling water, the collected slime is fully grinded with quartz sand to make the cell scattered, and then plate counting technique is used to cultivate them under (29 \pm 1) °C for 72h to measure the total number of heterotrophic bacteria in the slime.

4 Reagents and materials

Unless otherwise specified, the reagents in this part shall be analytical reagent and in compliance with the provisions of Grade III water in GB/T 6682.

Preparations and products needed in the trial shall be prepared based on the provision of GB/T 603 if there's no other requirement.



北京文心雕语翻译有限公司

Beijing Lancarver Translation Inc.

完整版本请在线下单/Order Checks Online for Full Version

联系我们/or Contact:

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email: info@lancarver.com

http://www.lancarver.com

线下付款方式:

I. 对公账户:

单位名称:北京文心雕语翻译有限公司

开户行:中国工商银行北京清河镇支行

账 号: 0200 1486 0900 0006 131

II. 支付宝账户: info@lancarver.com

III. Paypal: info@lancarver.com

注: 付款成功后,请预留电邮,完整版本将在一个工作日内通过电子 PDF 或

Word 形式发送至您的预留邮箱,如需索取发票,下单成功后的三个工作日内安

排开具并寄出,预祝合作愉快!

NOTE All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to info@lancarver.com, you will shortly receive an e-mail confirming your order.







